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Drafts Pending Active

L1: (481674) sync or synchronize or synchronization or synchronizing
 L2: (17104) 1-near5 drive
 L3: (339) 2 with magnetic
 L4: (26) 3 same data

3 sums data

Document ID Issue Date Pages Title Current Ver Current Ref Revision Inventor C E F G H I

#	M	Document ID	Issue Date	Pages	Title	Current Ver	Current Ref	Revision	Inventor	C	E	F	G	H	I
1	M	US 20050041317	20050224	24	Storing data to magnetic tape both to one set of patterned magnetic media	360/46	360/48		Jacquette, Glen Alan	<input type="checkbox"/>					
2	M	US 20040264026	20041230	A1	Encoding techniques for patterned magnetic media	360/51	360/48		Lundstrom, Garry R.	<input type="checkbox"/>					
3	M	US 20040133737	20040708	A1	Deferred writing of data to be synchronized on magnetic recording tape cartridge	711/111	711/113		Jacquette, Glen Alan	<input type="checkbox"/>					
4	M	US 20040061017	20040401	A1	Recording tape cartridge	242/348.2			Hiraguchi, Kazuo	<input type="checkbox"/>					
5	M	US 20040037188	20040226	A1	Optical disk apparatus capable of adjusting phase	369/47.35	369/59.21		Asano, Kenji et al	<input type="checkbox"/>					
6	M	US 20040027947	20040212	A1	Disk reproduction device	369/47.31			Asano, Kenji et al	<input type="checkbox"/>					
7	M	US 20030234309	20031225	A1	Recording tape cartridge	242/348.2			Hiraguchi, Kazuo	<input type="checkbox"/>					
8	M	US 20030229750	20031211	A1	Magnetic disk device	711/114	711/113		Kawamoto, Masakazu	<input type="checkbox"/>					
9	M	US 20030147319	20030807	A1	Optical disk apparatus capable of generating clock	369/47.28			Tada, Koichi et al	<input type="checkbox"/>					
10	M	US 20030146329	20030807	A1	Recording tape cartridge	242/348.2			Hiraguchi, Kazuo	<input type="checkbox"/>					
11	M	US 20030142429	20030731	A1	Data set information for recovery of synchronized	360/51	360/72.1		Ataku, Toshimi et al	<input type="checkbox"/>					
12	M	US 20030142428	20030731	A1	Writing synchronized data to magnetic tape	360/51	360/73.09		Jacquette, Glen Alan et al	<input type="checkbox"/>					
13	M	US 20020119476	20020829	A1	System and method for providing nonadjacent	360/48	360/77.07		Malone, Daniel James SR	<input type="checkbox"/>					
14	M	US 20020012295	20020131	A1	RECORD MEDIUM AND REPRODUCING APPARATUS OF THE SAME HAVING	369/44.26			ASANO, KENJI et al	<input type="checkbox"/>					
15	M	US 20010033532	20011025	A1	Record medium and reproducing apparatus of the	369/47.22			Asano, Kenji et al	<input type="checkbox"/>					
16	M	US 20010010604	20010802	A1	Sync detector for use in data storage system for	360/49	360/51		Esumi, Atsushi	<input type="checkbox"/>					
17	M	US 6892974 B2	20050517		Recording tape cartridge	242/347.1	242/348.1		Hiraguchi, Kazuo	<input type="checkbox"/>					
18	M	US 6865043 B2	20050308		Data set information for recovery of synchronized	360/48	710/6		Ataku, Toshimi et al	<input type="checkbox"/>					
19	M	US 6856479 B2	20050215		Writing synchronized data to magnetic tape	711/111	710/52		Jacquette, Glen Alan et al	<input type="checkbox"/>					
20	M	US 6839801 B2	20050104		Deferred writing of data to be synchronized on magnetic	711/161			Jacquette, Glen Alan	<input type="checkbox"/>					
21	M	US 6697991 B1	20040224		Data check circuit of magnetic disk device and	714/763	360/53		Takue, Hiroyuki	<input type="checkbox"/>					

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	Document ID	Issue Date	Pages	Title	Current IP	Current TIR	Retire IP	Inventor	B	C	D	E	F	G	H
32	P US 6621772 B2 20030916			Record medium and reproducing apparatus of the	369/44.26	369/47.22; 369/53.37		Asano; Kenji et al.	✓	✓	✓	✓	✓	✓	✓
23	P US 6583943 B2 20030624			System and method for providing nonadjacent information recording/reproducing	360/48	360/31; 360/51;		Malone, Sr.; Daniel James	✓	✓	✓	✓	✓	✓	✓
25	P US 6392830 B1 20020521			System and method for providing nonadjacent compatibility with tracking	360/46	360/46; 360/51		Malone, Sr.; Daniel James	✓	✓	✓	✓	✓	✓	✓
26	P US 6385158 B1 20020507			Optical pickup device having	369/112.16	369/100; 369/110.02;		Takagi; Naoyuki et al.	✓	✓	✓	✓	✓	✓	✓
27	P US 6381292 B1 20020430			Phase synchronizing apparatus, phase	375/376			Yamakoshi; Takamichi	✓	✓	✓	✓	✓	✓	✓
28	P US 6256266 B1 20010703			Magneto-optical recording medium having lands and	369/13.55	369/275.4		Mitani; Kenichiro	✓	✓	✓	✓	✓	✓	✓
39	P US 6181497 B1 20010130			System and method for providing nonadjacent	360/48	360/51		Malone, Sr.; Daniel James	✓	✓	✓	✓	✓	✓	✓
30	P US 6124994 A 20000926			System and method for providing nonadjacent	360/48	360/51; 360/53		Malone, Sr.; Daniel James	✓	✓	✓	✓	✓	✓	✓
31	P US 5963367 A 19991005			Method for forming and processing data address mark	360/49	360/46; 360/53		Son; Ok-Hyun	✓	✓	✓	✓	✓	✓	✓
32	P US 5943651 A 19990824			Automatic airline ticket issuer and entry card	705/5	235/38; 263/23;		Oosawa; Satoru	✓	✓	✓	✓	✓	✓	✓
33	P US 5940233 A 19990817			Method for detecting redundant nonadjacent	360/51	360/48		Malone, Sr.; Daniel James	✓	✓	✓	✓	✓	✓	✓
34	P US 5828510 A 19981027			Magnetic disk recording and playback apparatus using	360/51	360/48		Yada; Hiroaki et al.	✓	✓	✓	✓	✓	✓	✓
35	P US 5497276 A 19960305			Disk drive array system having internal	360/73.03	360/73.02		Kakuda; Masatoshi	✓	✓	✓	✓	✓	✓	✓
36	P US 5439300 A 19950801			Digital frequency multiplier utilizing digital controlled	331/16	327/107; 331/1A;		Saban; Rami et al.	✓	✓	✓	✓	✓	✓	✓
37	P US 5373257 A 19941213			Phase synchronization circuit having a loop filter	331/8	331/17; 331/25		Shimoda; Kaneyasu	✓	✓	✓	✓	✓	✓	✓
38	P US 5365362 A 19941115			Synchronization to different fields in a storage device	360/51	360/53		Weng; Lih-Jyh et al.	✓	✓	✓	✓	✓	✓	✓
39	P US RE34100 E 19921013			Data error correction system	714/769	714/767		Hartness; Carl B.	✓	✓	✓	✓	✓	✓	✓
40	P US 5060089 A 19911022			Data write pulse compensator circuit	360/51	360/46		Cleveland; Brian G.	✓	✓	✓	✓	✓	✓	✓
41	P US 4827203 A 19890502			Rotor rotational position detector for a motor	318/661	318/601; 318/602		Sakano; Tetsuro	✓	✓	✓	✓	✓	✓	✓
42	P US 4819103 A 19890404			Apparatus for reproducing data from magnetic recording	360/51	360/66		Okamura; Hiroshi	✓	✓	✓	✓	✓	✓	✓
43	P US 4775978 A 19881004			Data error correction system	714/770			Hartness; Carl B.	✓	✓	✓	✓	✓	✓	✓
44	P US 4519086 A 19850521			MOS Phase lock loop synchronization circuit	375/376	327/141; 327/3;		Hull; Richard W. et al.	✓	✓	✓	✓	✓	✓	✓
45	P US 4063070 A 19771213			Wideband frequency multiplier particularly	235/474	235/449; 360/51		Delarue; Gerard Jean-Marie et al.	✓	✓	✓	✓	✓	✓	✓
46	P US 3997877 A 19760216			Timing control means for a	713/500	367/12;		Norden; Max Alan							

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#	Document ID	Issue Date	Pages	Title	Current US	Current EP	Ref Retrieval	C	Inventor	S	C	P	E	M	R	I	N	U
46	P - US 3997877 A	19761214		Timing control means for a magnetic domain memory	713/500	365/12; 365/14;			NADEN, Rex Alan		F	F	F	F	F	F	F	F
47	P - US 3940951 A	19760302		Knitting machine control	66/219	66/222			CHRISTIANSEN, Paul		F	F	F	F	F	F	F	F
48	P - JP 2004213896 A	20040729		MAGNETIC DISK DRIVE OF VERTICAL MAGNETIC RECORDING					NAGAFUNE, KOJI		F	F	F	F	F	F	F	F
49	P - JP 10241167 A	19980911		MAGNETOOPTIC RECORDING MEDIUM AND INFORMATION					TORASAWA, KENJI et al		F	F	F	F	F	F	F	F
50	P - JP 05166299 A	19930702		MAGNETIC DISK DEVICE		360/71			KIMATA, KANAME		F	F	F	F	F	F	F	F
51	P - JP 60119669 A	19850627		MAGNETIC CARD READER AND WRITER		360/2			KOSHIIISHI, AKIRA		F	F	F	F	F	F	F	F
52	P - JP 59132487 A	19840730		CONTENT RETRIEVAL TYPE MAGNETIC BUBBLE STORAGE		365/6			TAKAHASHI, TSUNESUKE		F	F	F	F	F	F	F	F
53	P - JP 56101605 A	19810814		MAGNETIC BUBBLE MEMORY DEVICE		365/90			YAMAMURA, YASUKIHI		F	F	F	F	F	F	F	F
54	P - US 20050024759/20050203 A			Disk drive e.g. hard disk drive, generates sync-mark					SAKAI, Y et al		F	F	F	F	F	F	F	F
55	P - US 20040264026/20041230 A			Battered magnetic media e.g. magnetic hard drive					LUNDSTROM, G R		F	F	F	F	F	F	F	F
56	P - JP 2004253042 20040909 A			Disk drive e.g. magnetic disk drive synchronizes bit					JACQUETTE, G A		F	F	F	F	F	F	F	F
57	P - US 20040133737/20040708 A			Magnetic tape drive recording system, has														
58	P - US 20030229759/20031211 A			Redundant array of inexpensive disks system					RAWAMOTO, M		F	F	F	F	F	F	F	F
59	P - US 6493163 B	20021210		Disk drive system for magnetic disk, synchronizes					DUDLEY, T et al		F	F	F	F	F	F	F	F
60	P - US 6392030 B	20020521		Sync byte detection system for use in magnetic disk					MALONE, D J		F	F	F	F	F	F	F	F
61	P - US 20010043417/20011122 A			Data synchronizing signal detector for magnetic disk					TAKASHI, T et al		F	F	F	F	F	F	F	F
62	P - JP 2001056918 20010227 A			Magnetic disk drive such as hard disk drive, has							F	F	F	F	F	F	F	F
63	P - US 6161497 B	20010130		Storage device such as magnetic disk drive, has					MALONE, D J		F	F	F	F	F	F	F	F
64	P - JP 2000027B121 20001006 A			Clock generator e.g. for hard disk drive, has							F	F	F	F	F	F	F	F
65	P - US 6124994 A	20000926		Sync byte detection system in magnetic disk drive					MALONE, D J		F	F	F	F	F	F	F	F
66	P - JP 10125002 A	19980515		Data synchronising signal detector for magnetic disk					WATANABE, Y et al		F	F	F	F	F	F	F	F
67	P - EP 474052 A	19920311		Zone access method for optical disk drive, appts.					YASUKAWA, M		F	F	F	F	F	F	F	F
68	P - DE 3247805 A	19830714		Servo drive for magnetic disc - obtains					NAITO, R		F	F	F	F	F	F	F	F
69	P - DE 3140151 A	19820422		Monitor for programme mixing and editing video tape - has					ISHIGURO, M et al		F	F	F	F	F	F	F	F
70	EP 777697 B	19800121		High density digital tape					POVETINOV, G N et al									

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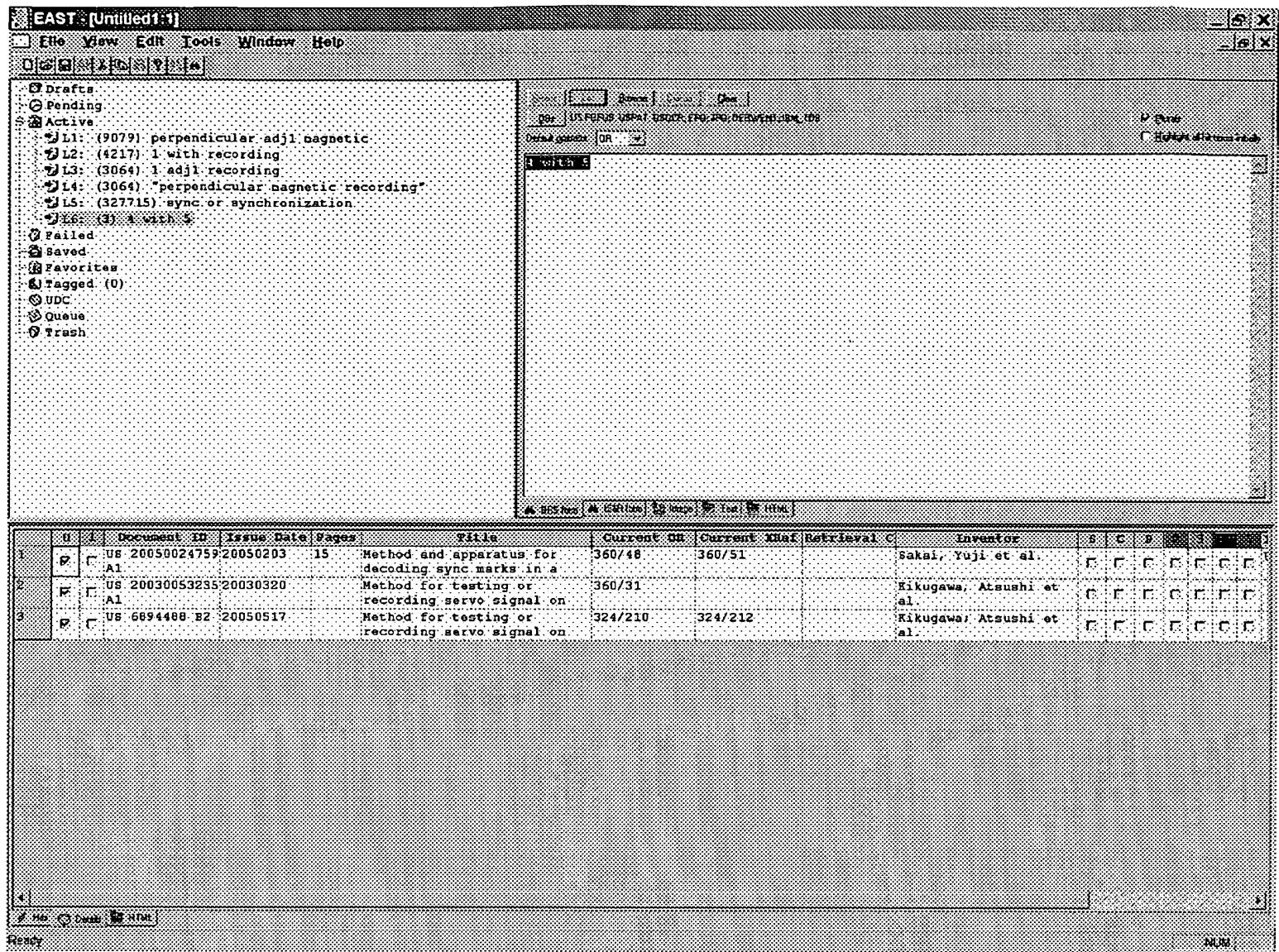
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Drafts

	Document ID	Issue date	Pages	Title	Current US	Current Ref	Retrieval C	Inventor	S	C	P	R	M	N	E
53	P	JP 56101685 A	19910814	MAGNETIC BUBBLE MEMORY DEVICE	365/80			YAMAMURA, YASUKIHI	Γ	Γ	Γ	Γ	Γ	Γ	Γ
54	F	US 20050024759	20050203	A Disk drive, e.g. hard disk drive, generates sync-mark				SAKAI, Y et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
55	P	US 20040264026	20041230	A Patterned magnetic media, e.g. magnetic hard drive,				LUNDSTROM, G R	Γ	Γ	Γ	Γ	Γ	Γ	Γ
56	F	JP 2004253042	20040909	A Disk drive e.g. magnetic disk drive synchronizes bit					Γ	Γ	Γ	Γ	Γ	Γ	Γ
57	P	US 20040133737	20040708	A Magnetic tape drive recording system, has				JACQUETTE, G A	Γ	Γ	Γ	Γ	Γ	Γ	Γ
58	F	US 20030229755	20031211	A Redundant array of inexpensive disks system				RAWAMOTO, M	Γ	Γ	Γ	Γ	Γ	Γ	Γ
59	G	US 6493163 B	20021210	Disk drive system for magnetic disk, synchronizes				DUDLEY, T et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
60	F	US 6392630 B	20020521	Sync byte detection system for use in magnetic disk				HALONE, D J	Γ	Γ	Γ	Γ	Γ	Γ	Γ
61	F	US 20010043417	20011122	A Data synchronizing signal detector for magnetic disk				TAKASHI, T et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
62	P	JP 2001056918	20010227	A Magnetic disk drive such as hard disk drive, has					Γ	Γ	Γ	Γ	Γ	Γ	Γ
63	F	US 6161497 B	20010130	Storage device such as magnetic disk drive, has				HALONE, D J	Γ	Γ	Γ	Γ	Γ	Γ	Γ
64	P	JP 2000278121	20001005	A Clock generator e.g. for hard disk drive, has					Γ	Γ	Γ	Γ	Γ	Γ	Γ
65	F	US 6124994 A	20000926	Sync byte detection system in magnetic disk drive				HALONE, D J	Γ	Γ	Γ	Γ	Γ	Γ	Γ
66	P	JP 10125002 A	19980515	Data synchronising signal detector for magnetic disk				SATANABE, Y et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
67	F	EP 474052 A	19920311	Zone access method for optical disk drive, appls.				YASUKAWA, M	Γ	Γ	Γ	Γ	Γ	Γ	Γ
68	G	DE 3247805 A	19830714	Servo drive for magnetic disc - obtains				NAITO, R	Γ	Γ	Γ	Γ	Γ	Γ	Γ
69	F	DE 3140151 A	19820422	Monitor for programme mixing and editing video tape - has				ISHIGURO, M et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
70	F	SU 777697 B	19801121	High density digital data magnetic recording unit -				ROZORINOV, G N et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
71	F	SU 447751 A	19761027	Magnetic tape store for data processing systems - has				PROLTSEOV, V I et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
72	F	US 3362016 A	19680102	Magnetic computer	713/300			GBERRING JR ARTHUR J et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
73	P	US 3311892 A	19670328	Sorting system with two-line sorting switch	707/7			O'CONNOR DANIEL G et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
74	F	US 3196402 A	19650720	Magnetic computer	360/100.1	708/604		GBERRING JR ARTHUR J et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ
75	F	US 3195139 A	19650713	Data recording apparatus	346/33M	200/38R, 346/136		HOOD JR R T	Γ	Γ	Γ	Γ	Γ	Γ	Γ
76	F	US 2940536 A	19600614	Method and apparatus for analysis of seismic records	367/52	346/33C, 367/53		BAZZONI CHARLES E et al.	Γ	Γ	Γ	Γ	Γ	Γ	Γ

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